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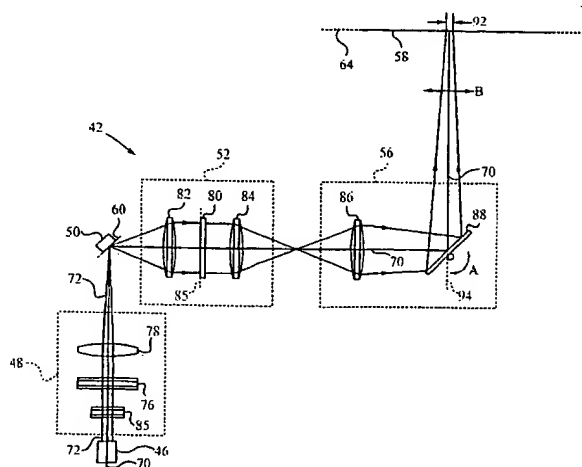
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(54) Title: ANGLED ILLUMINATION FOR A SINGLE ORDER GLV BASED PROJECTION SYSTEM



(57) Abstract: A display apparatus projects a two dimensional image onto a display screen and includes illumination optics, a light modulator, separating optics and scanning optics. The light modulator is optically coupled to the illumination optics such that in operation the illumination optics illuminate the light modulator with an off-axis illumination and further such that the light modulator directs light onto an optic axis for a bright pixel, thereby forming on-axis light, and away from the optic axis for a dark pixel, thereby forming off-axis light. The separating optics are coupled to the light modulator and separate the off-axis and on-axis light where the on-axis light produces a real and virtual image that is displayed by the projection and scanning optics.

WO 02/084397 A3

WO 02/084397 A3



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According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G02B H04N		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 629 801 A (BLOOM DAVID M ET AL) 13 May 1997 (1997-05-13)	25-30
Y	abstract	1-13, 15-23, 31-38
A	claims 1-4 figures 2-4	14, 24
Y	US 5 982 553 A (BLOOM DAVID M ET AL) 9 November 1999 (1999-11-09) cited in the application	1-7, 15-21, 31-38
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